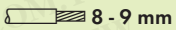
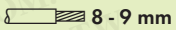
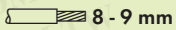
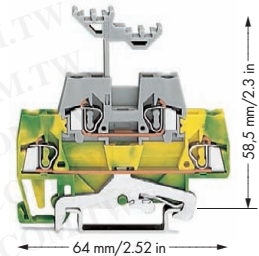
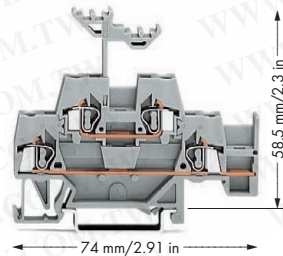
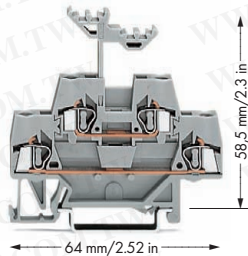


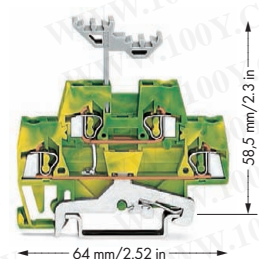
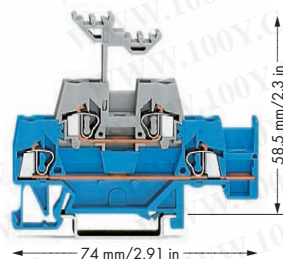
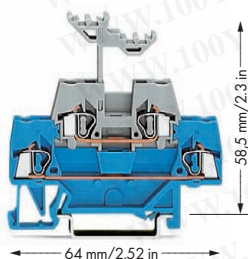
# Double-Deck Terminal Blocks 2.5 mm<sup>2</sup> 280 Series

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

0.08 - 2.5 mm <sup>2</sup> 500 V/6 kV/3 ① I <sub>N</sub> 20 A  Terminal block width 5 mm / 0.197 in  8 - 9 mm / 0.33 in ②	AWG 28 - 12 * 300 V, 15 A ㉑ 300 V, 20 A ㉒	0.08 - 2.5 mm <sup>2</sup> 500 V/6 kV/3 ① I <sub>N</sub> 20 A  Terminal block width 5 mm / 0.197 in  8 - 9 mm / 0.33 in ②	AWG 28 - 12 * 300 V, 15 A ㉑ 300 V, 20 A ㉒	0.08 - 2.5 mm <sup>2</sup> 500 V/6 kV/3 ① I <sub>N</sub> 20 A  Terminal block width 5 mm / 0.197 in  8 - 9 mm / 0.33 in ②	AWG 28 - 12 * 300 V, 20 A ㉒
--	---	---	---	---	--------------------------------



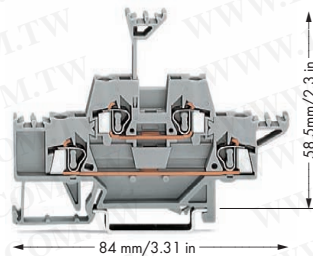
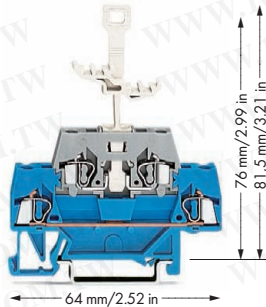
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
<b>Through/through terminal block</b>		<b>Through/through terminal block with horizontal jumpering on lower level</b>		<b>Ground conductor/through terminal block</b>	
gray 280-519 ①	50	gray 280-520 ①	50	green-yellow/gray 280-527	50
blue 280-529 ③	50	blue 280-530 ③	50	green-yellow/blue 280-537	50
<b>Other terminal blocks with the same profile:</b>					
Diode 280-940/281-410	Page 218				
LED 280-943/281-434	Page 218				
<b>Item-Specific Accessories</b>		<b>Item-Specific Accessories</b>		<b>Item-Specific Accessories</b>	
<b>End and intermediate plate, 2.5 mm thick</b>		<b>End and intermediate plate, 2.5 mm thick</b>		<b>End and intermediate plate, 2.5 mm thick</b>	
orange 280-341	100 (4x25)	orange 280-343	100 (4x25)	orange 280-341	100 (4x25)
gray 280-340	100 (4x25)	gray 280-342	100 (4x25)	gray 280-340	100 (4x25)
<b>Intermediate plate, 1.1 mm thick</b>		<b>Intermediate plate, 1.1 mm thick</b>		<b>Intermediate plate, 1.1 mm thick</b>	
orange 280-366	100 (4x25)	orange 280-369	100 (4x25)	orange 280-366	100 (4x25)



Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
<b>Through/through terminal block</b>		<b>Through/through terminal block with horizontal jumpering on lower level</b>		<b>4-conductor ground terminal block, internal commoning</b>	
blue/gray 280-523	50	blue/gray 280-524	50	green-yellow 280-517 ②	50
gray/blue 280-533	50	gray/blue 280-534	50		
<b>Item-Specific Accessories</b>		<b>Item-Specific Accessories</b>		<b>Item-Specific Accessories</b>	
<b>End and intermediate plate, 2.5 mm thick</b>		<b>End and intermediate plate, 2.5 mm thick</b>		<b>End and intermediate plate, 2.5 mm thick</b>	
orange 280-341	100 (4x25)	orange 280-343	100 (4x25)	orange 280-341	100 (4x25)
gray 280-340	100 (4x25)	gray 280-342	100 (4x25)	gray 280-340	100 (4x25)
<b>Intermediate plate, 1.1 mm thick</b>		<b>Intermediate plate, 1.1 mm thick</b>		<b>Intermediate plate, 1.1 mm thick</b>	
orange 280-366	100 (4x25)	orange 280-369	100 (4x25)	orange 280-366	100 (4x25)

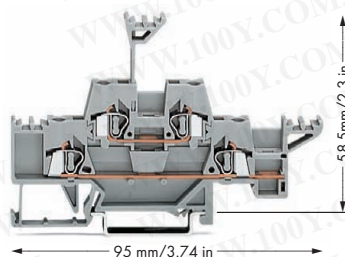
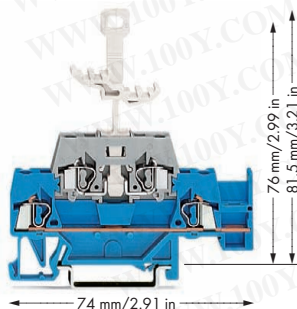
勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

0.08 - 2.5 mm <sup>2</sup> 400 V/6 kV/3 ① I <sub>N</sub> 10 A Terminal block width 5 mm / 0.197 in 8 - 9 mm / 0.33 in ②	AWG 28 - 12 * 300 V, 10 A ㉗ 300 V, 20 A ㉘	0.08 - 2.5 mm <sup>2</sup> 500 V/6 kV/3 ① I <sub>N</sub> 20 A Terminal block width 5 mm / 0.197 in 8 - 9 mm / 0.33 in ②	AWG 28 - 12 * 300 V, 15 A ㉗ 300 V, 20 A ㉘
---	---	---	---



- \* AWG 12: THHN, THWN
- ① 500 V/400 V = rated voltage  
6 kV = rated surge voltage  
3 = pollution degree  
(also see Section 14)
  - ② Strip length, see packaging or instructions.
  - ③ Suitable for Ex i applications
  - ④ See application notes for:  
Insulation stop, page 159  
Comb-style jumper bar, page 160  
Operating tool, page 160

Item No.	Pack. Unit	Item No.	Pack. Unit
<b>Through/disconnect terminal block</b>		<b>Through/through terminal block with additional marking options on both sides of the terminal block</b>	
blue/gray 280-525	50	gray 280-513	50
gray/gray 280-521	50		
<b>Item-Specific Accessories</b>		<b>Item-Specific Accessories</b>	
<b>End and intermediate plate, 2.5 mm thick</b>		<b>End and intermediate plate, 2.5 mm thick</b>	
orange 280-341	100 (4x25)	orange 280-341	100 (4x25)
gray 280-340	100 (4x25)	gray 280-340	100 (4x25)
<b>Intermediate plate, 1.1 mm thick</b>		<b>Intermediate plate, 1.1 mm thick</b>	
orange 280-366	100 (4x25)	orange 280-366	100 (4x25)

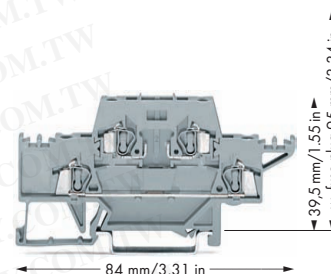
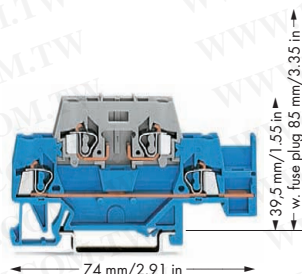
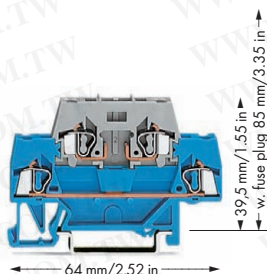


Item No.	Pack. Unit	Item No.	Pack. Unit
<b>Through/disconnect terminal block with horizontal jumpering on lower level</b>		<b>Through/through terminal block with horizontal jumpering on lower level</b>	
blue/gray 280-526	50	gray 280-543	50
gray/gray 280-522	50		
<b>Item-Specific Accessories</b>		<b>Item-Specific Accessories</b>	
<b>End and intermediate plate, 2.5 mm thick</b>		<b>End and intermediate plate, 2.5 mm thick</b>	
orange 280-343	100 (4x25)	orange 280-343	100 (4x25)
gray 280-342	100 (4x25)	gray 280-342	100 (4x25)
<b>Intermediate plate, 1.1 mm thick</b>		<b>Intermediate plate, 1.1 mm thick</b>	
orange 280-369	100 (4x25)	orange 280-369	100 (4x25)

<b>280 Series Accessories</b>			
Appropriate marking systems (see Section 13)			
<b>Insulation stop,</b>			
④	5 pcs/strip, 0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "f-st") white	280-470	200 (8x25)
<b>Insulation stop,</b>			
④	5 pcs/strip, 0.25 - 0.5 mm <sup>2</sup> light gray	280-471	200 (8x25)
<b>Insulation stop,</b>			
④	5 pcs/strip, 0.75 - 1 mm <sup>2</sup> dark gray	280-472	200 (8x25)
<b>Adjacent jumper, insulated,</b>			
	I <sub>N</sub> = I <sub>N</sub> terminal block		
	gray	280-402	200 (8x25)
	yellow-green	280-422	200 (8x25)
<b>Alternate jumper, insulated,</b>			
	I <sub>N</sub> = I <sub>N</sub> terminal block		
	gray	280-409	100 (4x25)
<b>Vertical jumper, insulated,</b>			
	I <sub>N</sub> 24 A		
	gray	281-421	200 (8x25)
<b>Comb-style jumper bar, insulated,</b>			
④	I <sub>N</sub> = I <sub>N</sub> terminal block		
	2-way	280-482	200 (8x25)
	3-way	280-483	200 (8x25)
<b>Comb-style jumper bar, insulated,</b>			
	I <sub>N</sub> = I <sub>N</sub> terminal block		
	10-way	280-490	50 (2x25)
<b>Alternate comb-style jumper bar, insulated,</b>			
	I <sub>N</sub> = I <sub>N</sub> terminal block		
	2-way	280-492	200 (8x25)
<b>Operating tool, insulated</b>			
	2-way	280-432	1
	3-way	280-433	1
<b>Operating tool, insulated</b>			
	10-way	280-440	1
<b>Screwless end stop,</b>			
	for DIN 35 rail, 6 mm/0.236 in wide		
	gray	249-116	100 (4x25)

# Carrier Double- and Triple-Deck Terminal Blocks for Fuse Plugs 2.5 mm<sup>2</sup> 280 Series

0.08 - 2.5 mm <sup>2</sup> 400 V/6 kV/3 ① ② I <sub>N</sub> 10 A Terminal block width 5 mm / 0.197 in 8 - 9 mm / 0.33 in ③	AWG 28 - 12 * 300 V, 15 A ④ 300 V, 20 A ⑤	0.08 - 2.5 mm <sup>2</sup> 400 V/6 kV/3 ① ② I <sub>N</sub> 10 A Terminal block width 5 mm / 0.197 in 8 - 9 mm / 0.33 in ③	AWG 28 - 12 * 300 V, 15 A ④ 300 V, 20 A ⑤	0.08 - 2.5 mm <sup>2</sup> 400 V/6 kV/3 ① ② I <sub>N</sub> 10 A Terminal block width 5 mm / 0.197 in 8 - 9 mm / 0.33 in ③	AWG 28 - 12 *
---	---	---	---	---	---------------



Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
<b>Through/carrier terminal block for pluggable fuse modules</b>		<b>Through/carrier terminal block for pluggable fuse modules with horizontal jumpering on lower level</b>		<b>Through/carrier terminal block for pluggable fuse modules</b>	
blue/gray	<b>280-531</b> 50	blue/gray	<b>280-532</b> 50	gray/gray	<b>280-528</b> 50
gray/gray	<b>280-514</b> 50	gray/gray	<b>280-891</b> 50		
<b>Item-Specific Accessories</b>		<b>Item-Specific Accessories</b>		<b>Item-Specific Accessories</b>	
<b>End and intermediate plate, 2.5 mm thick</b>		<b>End and intermediate plate, 2.5 mm thick</b>		<b>End and intermediate plate, 2.5 mm thick</b>	
orange	<b>280-341</b> 100 (4x25)	orange	<b>280-343</b> 100 (4x25)	orange	<b>280-341</b> 100 (4x25)
gray	<b>280-340</b> 100 (4x25)	gray	<b>280-342</b> 100 (4x25)	gray	<b>280-340</b> 100 (4x25)
<b>Intermediate plate, 1.1 mm thick</b>		<b>Intermediate plate, 1.1 mm thick</b>		<b>Intermediate plate, 1.1 mm thick</b>	
orange	<b>280-366</b> 100 (4x25)	orange	<b>280-369</b> 100 (4x25)	orange	<b>280-366</b> 100 (4x25)
		<b>Adjacent jumper, insulated, I<sub>N</sub> = I<sub>N</sub> terminal block</b>			
		gray	<b>280-402</b> 200 (8x25)		
		<b>Alternate jumper, insulated, I<sub>N</sub> = I<sub>N</sub> terminal block</b>			
		gray	<b>280-409</b> 100 (4x25)		

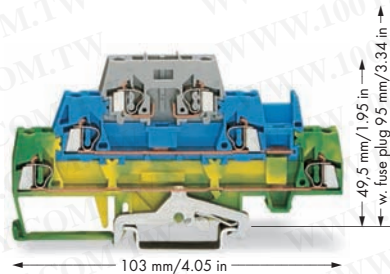
勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

Accessories					
Appropriate marking systems (see Section 13)					
<b>Insulation stop,</b> ④ 5 pcs/strip, 0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "f-st") white <b>280-470</b> 200 (8x25)	<b>Fuse plug with pull-tab, AC/DC 24 V,</b> with LED indicator, 6 mm wide <b>281-512/281-501</b> 50	<b>Operating tool, insulated</b> 10-way <b>280-440</b> 1			
<b>Insulation stop,</b> ④ 5 pcs/strip, 0.25 - 0.5 mm <sup>2</sup> light gray <b>280-471</b> 200 (8x25)	<b>Comb-style jumper bar, insulated,</b> ④ I <sub>N</sub> = I <sub>N</sub> terminal block 2-way <b>280-482</b> 200 (8x25) 3-way <b>280-483</b> 200 (8x25)	<b>WSB Quick marking system,</b> 10 strips with 10 markers per card, WSB Markers 4 mm wide plain <b>209-701</b> 5			
<b>Insulation stop,</b> ④ 5 pcs/strip, 0.75 - 1 mm <sup>2</sup> dark gray <b>280-472</b> 200 (8x25)	<b>Comb-style jumper bar, insulated,</b> I <sub>N</sub> = I <sub>N</sub> terminal block 10-way <b>280-490</b> 50 (2x25)	<b>WSB Quick marking system,</b> for fuse plug 281-5.., WSB Markers 4 mm wide F1, ..., F10 (10x) <b>209-787</b> 5 F11, ..., F20 (10x) <b>209-700/209-124</b> F21, ..., F30 (10x) <b>209-700/209-125</b> F31, ..., F40 (10x) <b>209-700/209-126</b> F41, ..., F50 (10x) <b>209-700/209-127</b> 5			
<b>Fuse plug with pull-tab,</b> 6 mm wide <b>281-511</b> 50	<b>Alternate comb-style jumper bar,</b> insulated, I <sub>N</sub> = I <sub>N</sub> terminal block 2-way <b>280-492</b> 200 (8x25)				
<b>Fuse plug with pull-tab,</b> 6 mm wide <b>281-512</b> 50	<b>Operating tool, insulated</b> 2-way <b>280-432</b> 1 3-way <b>280-433</b> 1				

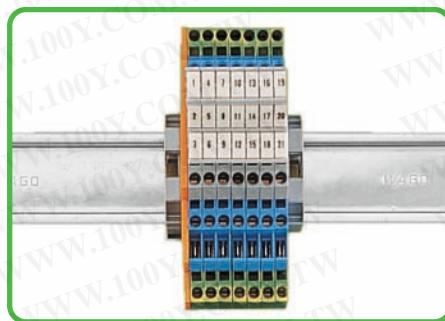
For list of approvals and user guide, see pages 540 and 542.

0.08 - 2.5 mm <sup>2</sup> 400 V/6 kV/3 ① ② I <sub>N</sub> 20 A	AWG 28 - 12 * 300 V, 15 A ③ 600 V, 20 A ④
Terminal block width 5 mm / 0.197 in	
8 - 9 mm / 0.33 in ⑤	

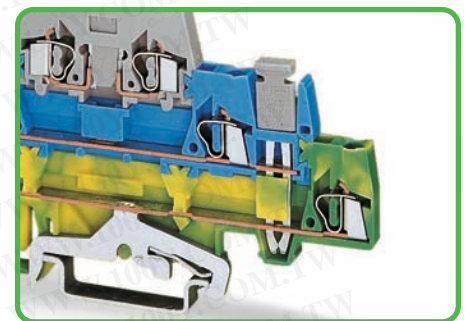
勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



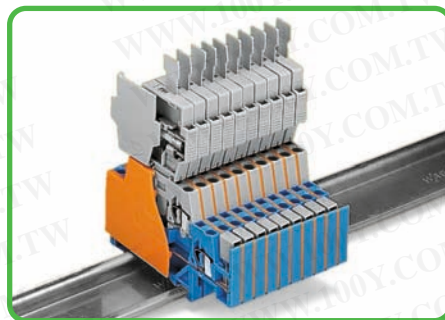
Item No.	Pack. Unit
<b>Ground conductor/through/carrier terminal block for fuse plugs</b>	
green-	
yellow/blue/gray	280-510 50
<b>Through/through/carrier terminal block for fuse plugs</b>	
gray/gray/gray	280-889 50
<b>Item-Specific Accessories</b>	
<b>End and intermediate plate, 2.5 mm thick</b>	
orange	280-304 50 (2x25)
gray	280-303 50 (2x25)
<b>Intermediate plate, 1.1 mm thick</b>	
orange	280-336 50 (2x25)
<b>Adjacent jumper, insulated, I<sub>N</sub> = I<sub>N</sub> terminal block</b>	
gray	280-402 200 (8x25)
<b>Alternate jumper, insulated, I<sub>N</sub> = I<sub>N</sub> terminal block</b>	
gray	280-409 100 (4x25)
<b>WSB Quick marking system, plain,</b>	
10 strips with 10 markers per card, WSB Markers 4 mm wide	
yellow	209-701/000-002
red	209-701/000-005
blue	209-701/000-006
gray	209-701/000-007
orange	209-701/000-012
light green	209-701/000-017
green	209-701/000-023
violet	209-701/000-024
<b>Screwless end stop,</b>	
for DIN 35 rail, 6 mm/0.236 in wide	
gray	249-116 100 (4x25)
<b>Screwless end stop,</b>	
for DIN 35 rail, 10 mm/0.394 in wide	
gray	249-117 50 (2x25)



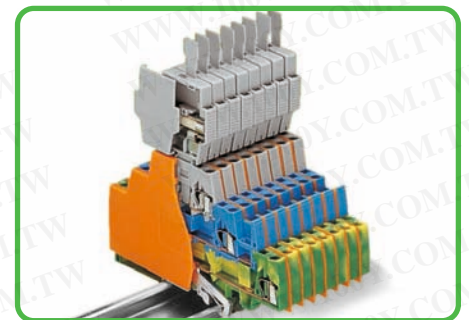
Double- (triple-) deck terminal blocks accommodate two (three) circuits of different potentials in one 2-(3-) level terminal block; different circuits can be differentiated by color coding either level for the 280 Series. The lower deck is wider than the upper, for ease of wiring.



Grounding to carrier rail.  
Connecting N-level to ground level via vertical jumper



When double-deck terminal blocks are used with a fuse plug (width 6 mm/0.236 in) in the receptacle (top) level, the extra width can be compensated for the 280 Series (width 5 mm/0.197 in) via an intermediate plate (thickness 1.1 mm/0.043 in). If required, this special intermediate plate still allows jumpering on the lower level via push-in adjacent jumpers (280-402).



When triple-deck terminal blocks are used with a fuse plug (width 6 mm/0.236 in) in the receptacle (top) level, the extra width can be compensated for the 280 Series (width 5 mm/0.197 in) via an intermediate plate (thickness 1.1 mm/0.043 in).

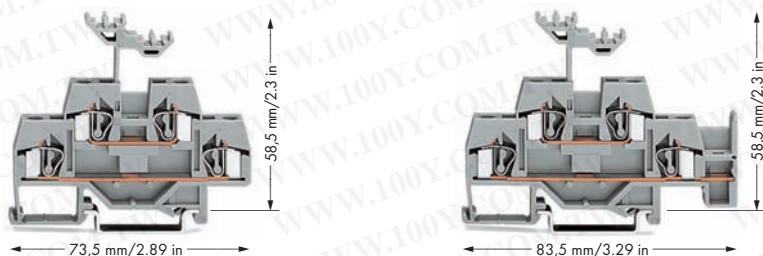
\* AWG 12: THHN, THWN

- ① 400 V = rated voltage  
6 kV = rated surge voltage  
3 = pollution degree  
(also see Section 14)
- ② Electrical ratings are given by the fuse or nominal voltage of the LED (also see pages 192 - 193).
- ③ Strip length, see packaging or instructions.
- ④ See application notes for:  
Insulation stop, page 159  
Comb-style jumper bar, page 160  
Operating tool, page 160

# Double-Deck Terminal Blocks 4 mm<sup>2</sup> 281 Series

0.08 - 4 mm <sup>2</sup> 500 V/6 kV/3 ① I <sub>N</sub> 26 A	AWG 28 - 12 600 V, 20 A ② 600 V, 25 A ③	0.08 - 4 mm <sup>2</sup> 500 V/6 kV/3 ① I <sub>N</sub> 26 A	AWG 28 - 12 600 V, 20 A ② 600 V, 25 A ③
Terminal block width 6 mm / 0.236 in 9 - 10 mm / 0.37 in ②		Terminal block width 6 mm / 0.236 in 9 - 10 mm / 0.37 in ②	

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

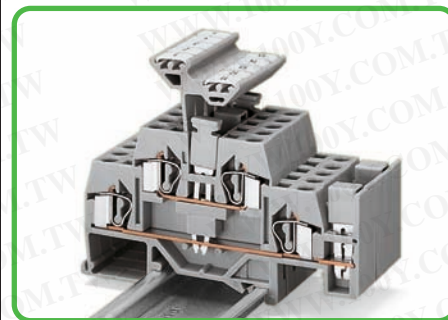


- ① 500 V = rated voltage  
6 kV = rated surge voltage  
3 = pollution degree  
(also see Section 14)
- ② Strip length, see packaging or instructions.
- ③ Suitable for Ex i applications
- ④ See application notes for:  
Insulation stop, page 159  
Comb-style jumper bar, page 160  
Operating tool, page 160

Item No.	Pack. Unit	Item No.	Pack. Unit
<b>Through/through terminal block</b>		<b>Through/through terminal block with horizontal jumpering on lower level</b>	
gray 281-619	50	gray 281-620	50
blue 281-629	50	blue 281-630	50
<b>Other terminal blocks with the same profile:</b>			
Diode 281-633/281-410	Page 220		
LED 281-634/281-434	Page 220		
<b>Item-Specific Accessories</b>		<b>Item-Specific Accessories</b>	
<b>End and intermediate plate, 2.5 mm thick</b>		<b>End and intermediate plate, 2.5 mm thick</b>	
orange 281-341	100 (4x25)	orange 281-343	100 (4x25)
gray 281-340	100 (4x25)	gray 281-342	100 (4x25)
<b>281 Series Accessories</b>			
Appropriate marking system: WMB (see Section 13)			
<b>Insulation stop,</b> ④	5 pcs/strip, 0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "f-st") white 281-470 200 (8x25)	<b>Alternate comb-style jumper bar,</b> insulated, I <sub>N</sub> = I <sub>N</sub> terminal block 2-way 281-492 100 (4x25)	
<b>Insulation stop,</b> ④	5 pcs/strip, 0.25 - 0.5 mm <sup>2</sup> light gray 281-471 200 (8x25)	<b>Operating tool, insulated</b> ④ 2-way 280-432 1 3-way 280-433 1	
<b>Insulation stop,</b> ④	5 pcs/strip, 0.25 - 1.5 mm <sup>2</sup> dark gray 281-472 200 (8x25)	<b>Operating tool, insulated</b> 5-way 281-440 1	
<b>Adjacent jumper, insulated,</b> I <sub>N</sub> = I <sub>N</sub> terminal block gray 281-402 200 (8x25)		<b>Screwless end stop,</b> for DIN 35 rail, 6 mm/0.236 in wide gray 249-116 100 (4x25)	
<b>Alternate jumper, insulated,</b> I <sub>N</sub> = I <sub>N</sub> terminal block gray 281-409 100 (4x25)		<b>Screwless end stop,</b> for DIN 35 rail, 10 mm/0.394 in wide gray 249-117 50 (2x25)	
<b>Vertical jumper, insulated,</b> I <sub>N</sub> 24 A gray 281-421 200 (8x25)			
<b>Comb-style jumper bar, insulated,</b> ④ I <sub>N</sub> = I <sub>N</sub> terminal block 2-way 281-482 100 (4x25) 3-way 281-483 100 (4x25)			
<b>Comb-style jumper bar, insulated,</b> I <sub>N</sub> = I <sub>N</sub> terminal block 5-way 281-485 100 (4x25)			





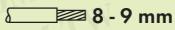
Wiring

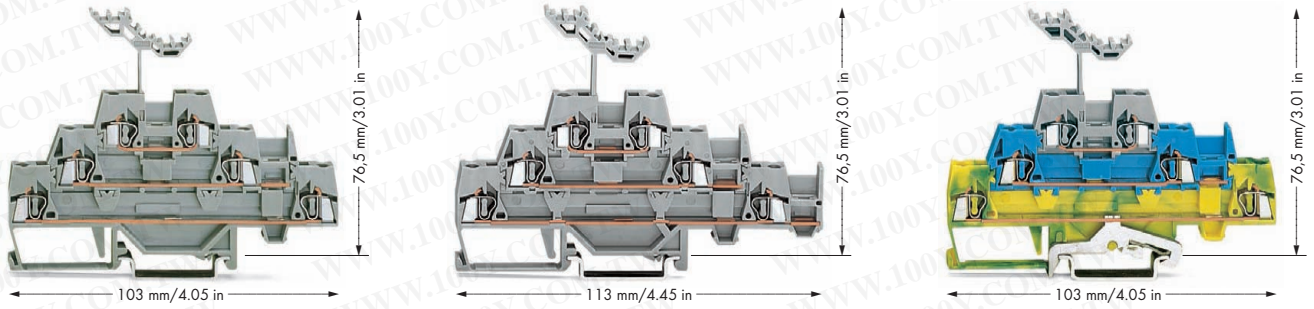


Commoning double-deck terminal blocks

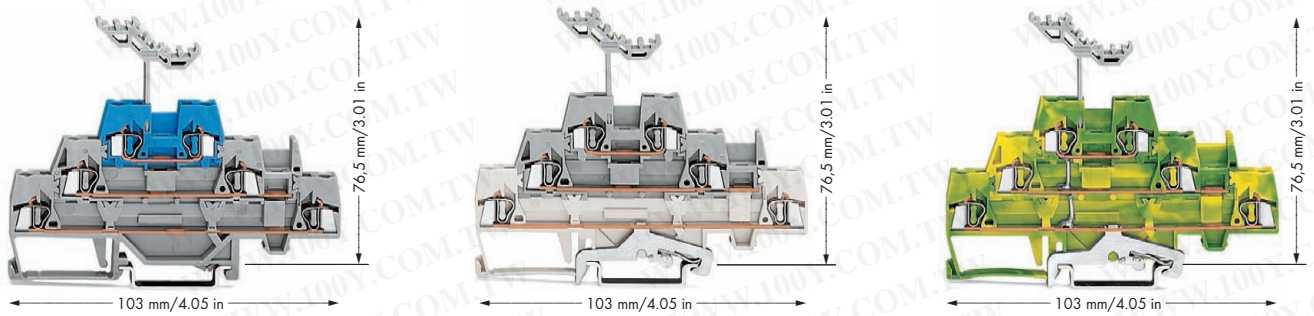
# Triple-Deck Terminal Blocks 2.5 mm<sup>2</sup> 280 Series

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

0.08 - 2.5 mm <sup>2</sup> 500 V/6 kV/3 ① I <sub>N</sub> 20 A Terminal block width 5 mm / 0.197 in  8 - 9 mm / 0.33 in ②	AWG 28 - 12 * 300 V, 15 A ㉑ 300 V, 20 A ㉒	0.08 - 2.5 mm <sup>2</sup> 500 V/6 kV/3 ① I <sub>N</sub> 20 A Terminal block width 5 mm / 0.197 in  8 - 9 mm / 0.33 in ②	AWG 28 - 12 * 300 V, 15 A ㉑ 300 V, 20 A ㉒	0.08 - 2.5 mm <sup>2</sup> 500 V/6 kV/3 ① I <sub>N</sub> 20 A Terminal block width 5 mm / 0.197 in  8 - 9 mm / 0.33 in ②	AWG 28 - 12 * 300 V, 15 A ㉑ 300 V, 20 A ㉒
--	---	---	---	---	---



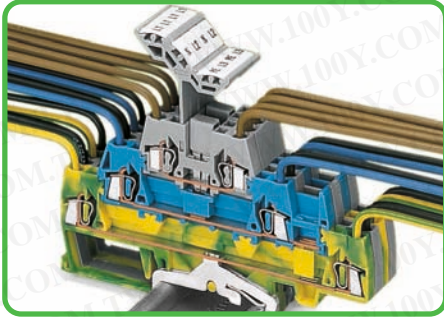
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
<b>Through/through/through terminal block</b>		<b>Through/through/through terminal block with horizontal jumpering on lower level</b>		<b>Ground conductor/through/through terminal block</b>	
gray 280-549	40	gray 280-550	40	green-yellow/blue/gray 280-547	40
blue 280-551	40			green-yellow/gray/gray 280-557	40
<b>Item-Specific Accessories</b>		<b>Item-Specific Accessories</b>		<b>Item-Specific Accessories</b>	
<b>End and intermediate plate, 2.5 mm thick</b>		<b>End and intermediate plate, 2.5 mm thick</b>		<b>End and intermediate plate, 2.5 mm thick</b>	
orange 280-304	50 (2x25)	orange 280-306	50 (2x25)	orange 280-304	50 (2x25)
gray 280-303	50 (2x25)	gray 280-305	50 (2x25)	gray 280-303	50 (2x25)
<b>Intermediate plate, 1.1 mm thick</b>		<b>Intermediate plate, 1.1 mm thick</b>		<b>Intermediate plate, 1.1 mm thick</b>	
orange 280-336	50 (2x25)	orange 280-339	50 (2x25)	orange 280-336	50 (2x25)



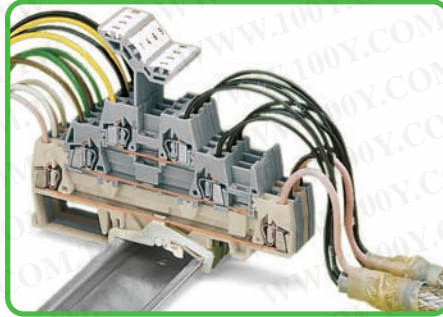
Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
<b>Through/through/through terminal block</b>		<b>Shield/through/through terminal block</b>		<b>6-conductor ground terminal block, internal commoning</b>	
gray/gray/blue 280-552	40	white/gray/gray 280-548	40	green-yellow 280-597	40
		white/blue/gray 280-558	40		
<b>Item-Specific Accessories</b>		<b>Item-Specific Accessories</b>		<b>Item-Specific Accessories</b>	
<b>End and intermediate plate, 2.5 mm thick</b>		<b>End and intermediate plate, 2.5 mm thick</b>		<b>End and intermediate plate, 2.5 mm thick</b>	
orange 280-304	50 (2x25)	orange 280-304	50 (2x25)	orange 280-304	50 (2x25)
gray 280-303	50 (2x25)	gray 280-303	50 (2x25)	gray 280-303	50 (2x25)
<b>Intermediate plate, 1.1 mm thick</b>		<b>Intermediate plate, 1.1 mm thick</b>		<b>Intermediate plate, 1.1 mm thick</b>	
orange 280-336	50 (2x25)	orange 280-336	50 (2x25)	orange 280-336	50 (2x25)

For list of approvals and user guide, see pages 540 and 542.

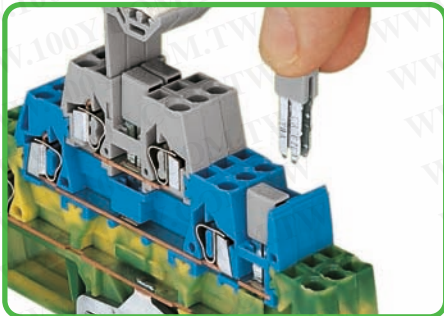
# Handling Triple-Deck Terminal Blocks



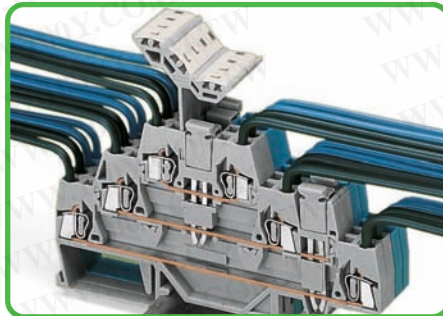
3-conductor power circuit with additional branch circuit tapping.



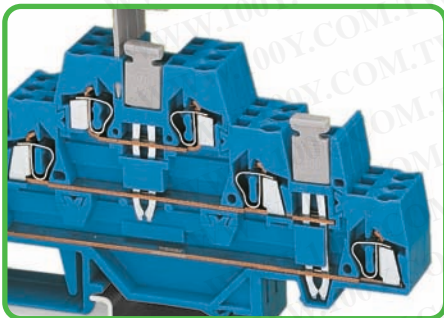
Shielded twisted pair cable.



Triple-deck terminal blocks accommodate three circuits of different potentials in one 3-level terminal block; different circuits can be differentiated by color coding either level for the 280 Series.



Commoning with vertical and adjacent jumpers.



Standard insulated push-in jumpers can be used for commoning. A vertical jumper allows commoning of upper and lower level, providing a 6-conductor feedthrough terminal block in one housing. Two adjacent terminals may be commoned together on the same level using a push-in adjacent jumper.



The ground conductor or shield terminal blocks have a ground conductor or shield terminal blocks have a direct contact in the bottom level, automatically establishing direct contact to the carrier rail. The flexible marker carrier, which is placed above the wiring levels, can be pushed aside during wiring or commoning. The marker carrier has three levels for three different WMB markers relating to the three decks of the terminal blocks. With a terminal block width of only 5 mm/0.197 in an effective width of only 1.67 mm/0.066 in for terminal blocks of same or different potentials can be realized for wire sizes 0.08 mm<sup>2</sup> - 2.5 mm<sup>2</sup> (AWG 28 - 14).

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

\* AWG 12: THHN, THWN

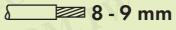
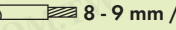
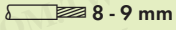
- ① 500 V = rated voltage  
6 kV = rated surge voltage  
3 = pollution degree  
(also see Section 14)
- ② Strip length, see packaging or instructions.
- ③ See application notes for:  
Insulation stop, page 159  
Comb-style jumper bar, page 160  
Operating tool, page 160

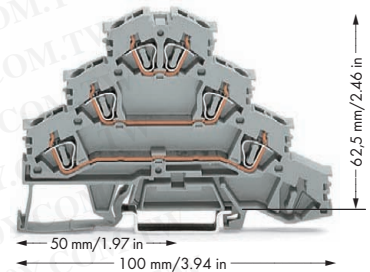
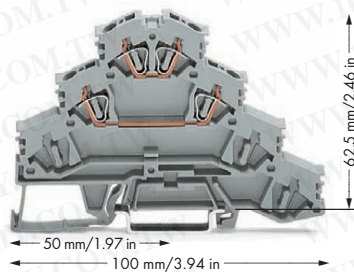
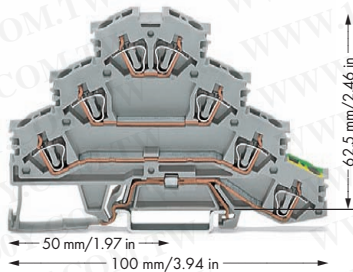
## 280 Series Accessories

Appropriate marking systems  
(see Section 13)

<b>Insulation stop,</b>			
③	5 pcs/strip, 0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "f-st") white	<b>280-470</b>	200 (8x25)
<b>Insulation stop,</b>			
③	5 pcs/strip, 0.25 - 0.5 mm <sup>2</sup> light gray	<b>280-471</b>	200 (8x25)
<b>Insulation stop,</b>			
③	5 pcs/strip, 0.75 - 1 mm <sup>2</sup> dark gray	<b>280-472</b>	200 (8x25)
<b>Adjacent jumper, insulated,</b>			
	I <sub>N</sub> = I <sub>N</sub> terminal block		
	gray	<b>280-402</b>	200 (8x25)
	yellow-green	<b>280-422</b>	200 (8x25)
<b>Alternate jumper, insulated,</b>			
	I <sub>N</sub> = I <sub>N</sub> terminal block		
	gray	<b>280-409</b>	100 (4x25)
<b>Vertical jumper, insulated,</b>			
	I <sub>N</sub> 24 A		
	gray	<b>281-421</b>	200 (8x25)
<b>Comb-style jumper bar, insulated,</b>			
③	I <sub>N</sub> = I <sub>N</sub> terminal block		
	2-way	<b>280-482</b>	200 (8x25)
	3-way	<b>280-483</b>	200 (8x25)
<b>Comb-style jumper bar, insulated,</b>			
	I <sub>N</sub> = I <sub>N</sub> terminal block		
	10-way	<b>280-490</b>	50 (2x25)
<b>Alternate comb-style jumper bar,</b>			
	insulated, I <sub>N</sub> = I <sub>N</sub> terminal block		
	2-way	<b>280-492</b>	200 (8x25)
<b>Operating tool, insulated</b>			
	2-way	<b>280-432</b>	1
	3-way	<b>280-433</b>	1
<b>Operating tool, insulated</b>			
	10-way	<b>280-440</b>	1
<b>Screwless end stop,</b>			
	for DIN 35 rail, 6 mm/0.236 in wide		
	gray	<b>249-116</b>	100 (4x25)

# Quadruple-Deck, Rail-Mounted Terminal Blocks or Rail-Mounted Terminal Blocks for Wiring of Electric Motors 4 mm<sup>2</sup> 281 Series


0.08 - 4 mm <sup>2</sup> 400 V/6 kV/3 ① I <sub>N</sub> 20 A (2.5 mm <sup>2</sup> ) I <sub>N</sub> 25 A (4 mm <sup>2</sup> ) Terminal block width 6 mm / 0.236 in  8 - 9 mm / 0.33 in ②	AWG 28 - 12 600 V, 20 A ① 300 V, 25 A ②	0.08 - 4 mm <sup>2</sup> 400 V/6 kV/3 ① I <sub>N</sub> 20 A (2.5 mm <sup>2</sup> ) I <sub>N</sub> 25 A (4 mm <sup>2</sup> ) Terminal block width 6 mm / 0.236 in  8 - 9 mm / 0.33 in ②	AWG 28 - 12 600 V, 20 A ① 300 V, 25 A ②	0.08 - 4 mm <sup>2</sup> 400 V/6 kV/3 ① I <sub>N</sub> 20 A (2.5 mm <sup>2</sup> ) I <sub>N</sub> 25 A (4 mm <sup>2</sup> ) Terminal block width 6 mm / 0.236 in  8 - 9 mm / 0.33 in ②	AWG 28 - 12 600 V, 20 A ① 300 V, 25 A ②
---	---	--	---	--	---



Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Quadruple-deck, rail-mounted terminal block or Rail-mounted terminal block for wiring of electric motors, gray L1 - L2 - L3 - PE	<b>281-530</b> 50	Quadruple-deck, rail-mounted terminal block or Rail-mounted terminal block for wiring of electric motors, gray L1 - L2	<b>281-531</b> 50	Quadruple-deck, rail-mounted terminal block or Rail-mounted terminal block for wiring of electric motors, gray L1 - L2 - L3	<b>281-532</b> 50

### 281 Series Accessories

Appropriate marking system: WMB/Marking strips (see Section 13)

<b>End and intermediate plate</b> , 1 mm thick  orange <b>281-366</b> 100 (4x25) gray <b>281-365</b> 100 (4x25)	<b>WMB Multi marking system</b> , 10 strips with 10 markers per card, stretchable 5 - 5.2 mm plain <b>793-5501</b> 5	勝特力材料 886-3-5753170 勝特力电子(上海) 86-21-34970699 勝特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw
<b>Insulation stop</b> , ③ 5 pcs/strip, 0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "f-st") white <b>281-470</b> 200 (8x25)	<b>WMB Multi marking system</b> , plain, 10 strips with 10 markers per card, stretchable 5 - 5.2 mm yellow <b>793-5501/000-002</b> red <b>793-5501/000-005</b> blue <b>793-5501/000-006</b> gray <b>793-5501/000-007</b> orange <b>793-5501/000-012</b> light green <b>793-5501/000-017</b> green <b>793-5501/000-023</b> violet <b>793-5501/000-024</b> 5	
<b>Insulation stop</b> , ③ 5 pcs/strip, 0.25 - 0.5 mm <sup>2</sup> light gray <b>281-471</b> 200 (8x25)		
<b>Insulation stop</b> , ③ 5 pcs/strip, 0.25 - 1.5 mm <sup>2</sup> dark gray <b>281-472</b> 200 (8x25)		
<b>Comb-style jumper bar</b> , insulated, ③ I <sub>N</sub> = I <sub>N</sub> terminal block 2-way <b>281-482</b> 100 (4x25) 3-way <b>281-483</b> 100 (4x25) 5-way <b>281-485</b> 100 (4x25) 10-way <b>281-490</b> 50 (2x25)	<b>Marking strip</b> , plain, 7.5 mm wide, 50 m roll translucent <b>709-177</b> 1	
<b>Alternate comb-style jumper bar</b> , insulated, I <sub>N</sub> = I <sub>N</sub> terminal block 2-way <b>281-492</b> 100 (4x25)	<b>Screwless end stop</b> , for DIN 35 rail, 6 mm/0.236 in wide gray <b>249-116</b> 100 (4x25)	
<b>Operating tool</b> , insulated 2-way <b>280-432</b> 1 3-way <b>280-433</b> 1 5-way <b>281-440</b> 1	<b>Screwless end stop</b> , for DIN 35 rail, 10 mm/0.394 in wide gray <b>249-117</b> 50 (2x25)	
<b>Test plug</b> , with 500 mm/17.7 in cable, 2 mm Ø red <b>210-136</b> 50		
<b>Test plug</b> , with 500 mm/17.7 in cable, 2.3 mm Ø yellow <b>210-137</b> 50		